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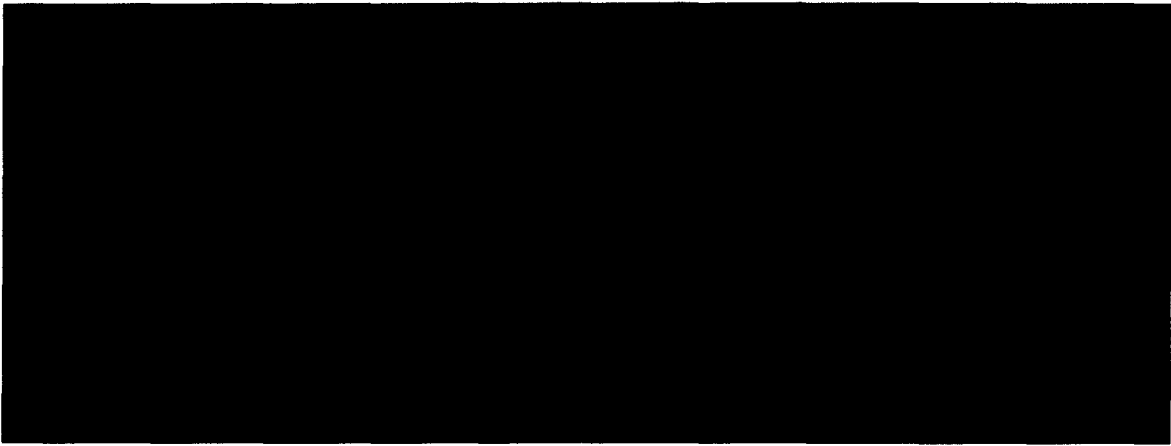
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## **4.0 NANP ADMINISTRATION FUNCTIONAL REQUIREMENTS**

### **HIGHLIGHTS**

- Complete impartial and fair administration of all NANP numbering resources
- 
- Sound NPA usage, fill rate, and trend analysis to accurately project when NPAs will exhaust

*Previous transitioning and proven establishment of neutral third-party services for the telecommunications industry ensure that Lockheed Martin can readily apply our expertise and resources to successfully perform NANPA functions in an evenhanded and impartial way.*



#### **4.1 General Responsibilities**

Lockheed Martin has carefully read the Requirements Document and, combined with our experience, understands the responsibilities and functions of the new NANPA. We also understand that once Lockheed Martin assumes the administration responsibilities of the current NANPA, we will begin to assume responsibilities and functions of the regional code administrators. Our approach for transitioning CO code administration functions is fully described in Section 5.0.

Assuming NANPA duties requires experienced staff, a robust hardware and software platform, proven facilities, and solid program management expertise. Lockheed Martin already has these program underpinnings in place and stands ready to immediately assume full NANPA activities within the 90-day transition period. Execution of day-to-day NANPA activities and operations will be aggressively and proactively managed by group managers and much preparation will occur when we participate and attend industry meetings and represent industry decisions to regulatory bodies and the public. Telephone numbers are a vital public and competitive resource; Lockheed Martin will administer this resource accordingly. As fully detailed in the remainder of this section (4.1), we will successfully perform all NANPA responsibilities in a neutral fashion, allowing all segments of the industry to complete, informing the industry when resources are near depletion, and conserving number resources in accordance with industry guidelines.



**Requirement:** Assign and administer NANP resources in an efficient, effective, fair, unbiased, and non-discriminatory manner consistent with industry developed guidelines.

As the new NANPA, Lockheed Martin will assign and administer NANP resources in an efficient, effective, fair, and unbiased manner in accordance with industry developed guidelines.

**Requirement:** Support the industry's efforts to accommodate current and future numbering needs, and to advise the industry relative to numbering issues (e.g., potential resource exhaust).

We will stand behind and support the industry's efforts to accommodate current and future numbering needs and advise the industry relative to numbering issues. Our NPA relief planners will constantly analyze NXX assignments, trends, and growth rates. Using this data and other factors, such as demographics, we will forecast number usage and potential exhaust and inform the industry when relief plans are necessary. We will similarly monitor and alert the industry



regarding any potential jeopardy situations involving any of the resources administered by NANPA.

**Requirement: Implement a planned approach utilizing effective forecasting and management skills.**

Our NPA relief planners will implement a planned approach for monitoring NPA use and forecasting. A foundation of this approach will be the consistent and timely application of forecasting algorithms to predict when NPAs will exhaust. [REDACTED]

[REDACTED]

**Requirement: Provide management supervision for all of the services it provides.**

[REDACTED] will actively supervise all NANPA operations and service. All critical day-to-day operational activities will be managed through the use of performance standards. [REDACTED]

[REDACTED]

[REDACTED] Our detailed approach to quality assurance, including satisfying NANC's annual performance review process, is described in Section 1.6 of our proposal.



#### **4.1.1 Governmental Relationships**

**Requirement:** Establish and maintain relationships with governmental and regulatory bodies and address policy directives from these bodies.

As the new NANPA, we understand our role is to be an agent for the industry, that we therefore must establish and maintain solid relationships with government and regulatory bodies that are based on trust and respect. These relationships are needed to receive timely information and interpretations of policy directives and regulatory decisions as well as to convey decisions made by industry consensus concerning numbering resources.

#### **4.1.2 Industry Standards Participation**

**Requirement:** Cooperate with and actively participate in numbering standards bodies and industry fora.

Lockheed Martin will actively attend, cooperate, and actively participate in numbering standards bodies, such as INC. We recognize the importance of these meetings, because they will allow us to accurately reflect policy decisions made and be fluent in the reasons behind policy decisions.



#### **4.1.3 NANP Representation**

**Requirement: Represent the NANP to National and Global Numbering Bodies.**

We will actively represent the NANP to national and global numbering bodies. We understand that as the NANPA we will be in a highly visible position with broad responsibility. We will act accordingly.

#### **4.1.4 U.S. Study Group A Meetings**

**Requirement: Attend U.S. Study Group A meetings and maintain working knowledge of Study Group 2 ITU activities on behalf of the U.S. telecommunications industry.**

We will also attend U.S. Study Group A meetings and maintain a working knowledge of Study Group 2 ITU activities on behalf of the U.S. telecommunications industry.

#### **4.1.5 Review Requests for All Numbering Resources**

**Requirement: Review requests for number resources requested to implement new applications and services and make assignments in accordance with industry developed resource planning and assignment guidelines.**



As the new NANPA, we have an obligation of supporting the administration of new resources, procedures, processes, and databases, that are appropriately related to the overall role of NANPA in a competitive environment. We are committed to being extremely responsive and flexible to requests to modify or expand our roles and responsibilities. Upon receipt from the appropriate governing entity (e.g. FCC, NANC, INC) we will assess in a timely matter the operational, technical, contractual, and financial impacts, to any change requests.

#### **4.1.6 NANPA Staff**

**Requirement: Maintain necessary administrative staff to handle the legal, financial, technical, staffing, industry, and regulatory issues relevant to the management of all numbering resources, as well as maintain the necessary equipment, facilities, and proper billing arrangements associated with day-to-day management of all numbering resources.**

Based on work volumes and resource counts provided in the Requirements Document, we have staffed a streamlined and integrated organization that encompasses all of the disciplines required to provide complete NANPA functions, including CO code administration and Billing and Collection Agent processing. Our NANPA is designed to be self-sufficient with workload-based staffing levels to ensure the provision of high quality and responsive services.



#### **4.1.7 NANPA Management**

**Requirement:** Manage the NANP in accordance with published guidelines adopted in conjunction with the industry and the appropriate NANP member countries' governing agencies.

As the new NANPA, we will perform all NANP activities, such as NPA administration, CO code administration, CIC administration, NPA relief planning, and miscellaneous numbering administration activities—N11 service code administration and vertical service code administration—in complete accordance with industry guidelines. When occasions arise where decisions and interpretations are required on issues that have not been addressed by the industry or not governed under industry guidelines, we will surface such issues and escalate them to the appropriate regulatory body or industry committee.



#### **4.1.8 Industry Requests**

**Requirement:** The new NANPA must be able to respond to requests from the industry and from regulators about the NANP and its administration.

Our NANPA organization will provide timely responses to requests for information concerning the NANP or NANP administration as well as billing and collection activities. Supporting software and performance standards will be in place to ensure all requests are recorded, tracked, and satisfied within internally and externally established timeframes.

#### **4.1.9 Documentation Requests**

**Requirement:** Provide upon request information on how to obtain current documents related to NANP administration.

Our NANPA will also provide information on how and where to obtain current NANP administration documents as well as industry guidelines. Users will be able to access and obtain most of these documents from the NANPA web site.



#### **4.1.10 Numbering Assistance**

**Requirement:** Provide assistance to users of numbering resources and suggest alternatives, when possible, that will optimize number resource utilization.

Our NANPA will provide assistance to users of numbering resources. Specifically, our CO code administrators will suggest possible alternatives when assigning NXX codes, especially when an NPA is in jeopardy, that will optimize number resource utilization.

#### **4.1.11 Number Administration Coordination**

**Requirement:** Coordinate its numbering resource activities with the Canadian Number Administrator and other NANP member countries' administrators.

As the new NANPA, Lockheed Martin will coordinate our numbering resource activities with the Canadian Number Administrator and other NANP-member countries' administrators. We understand that the CNA and Caribbean region countries will perform certain numbering administration functions without the assistance from us and that their efforts will require coordination.



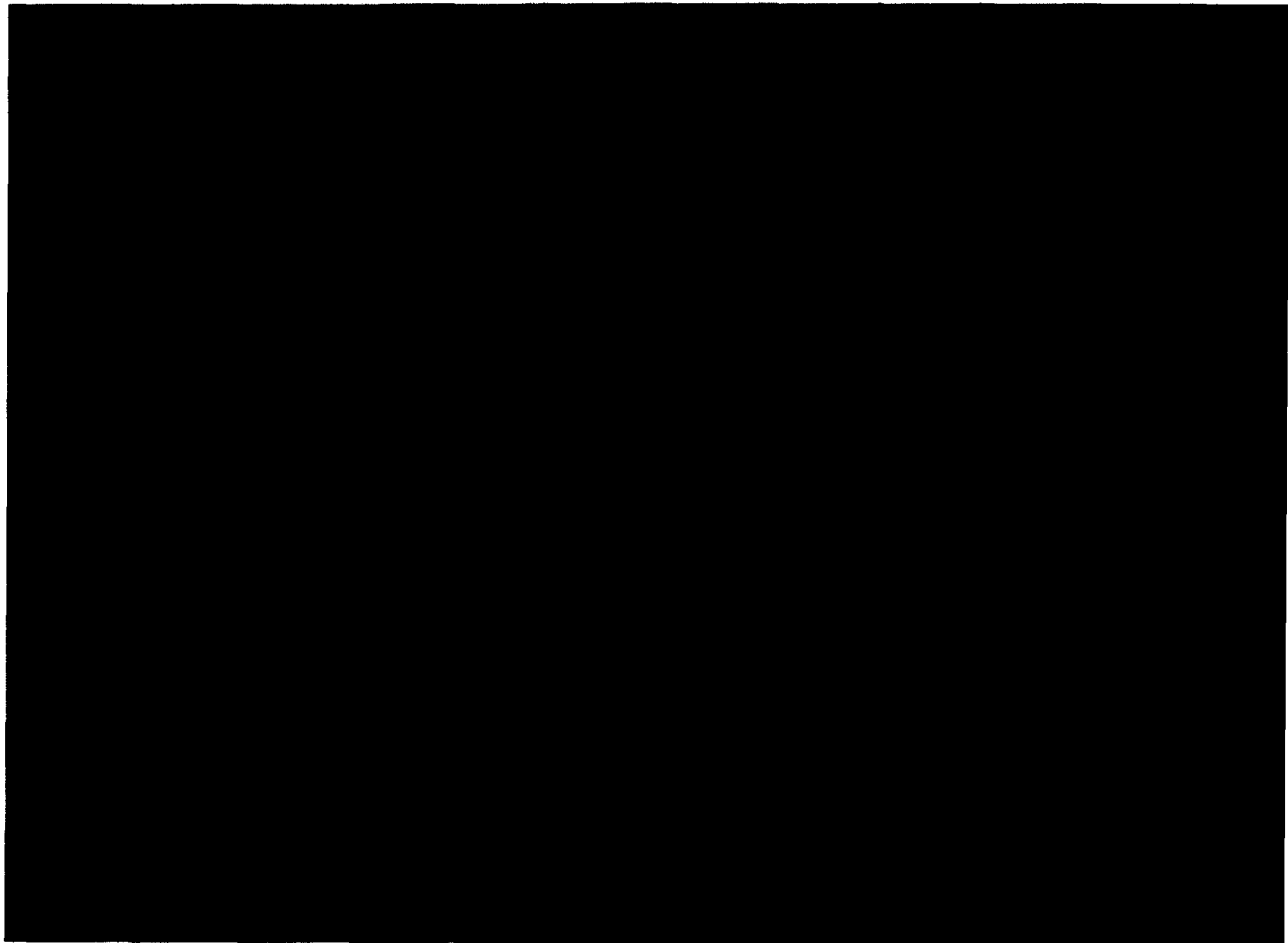
#### **4.1.12 Cost Allocation**

**Requirement:** Determine the final allocation methodology for sharing costs between NANP countries in accordance with Section 8.5.1.

As clarified by the NANPA Working Group's answers to bidders' questions, we understand that the nations participating in the NANP will determine the final allocation methodology with input from the NANPA.

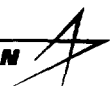
#### **4.2 NANP Number Resource Assignment And Administration**





Specifically, as described in sections 4.2.1 through 4.2.13, our NANPA personnel will assign and administer the following NANP numbering resources as well as CO codes in complete accordance with industry guidelines:

- Numbering Plan Area (NPA) Codes
- Central Office Codes
- International Inbound NPA 456 NXX Codes

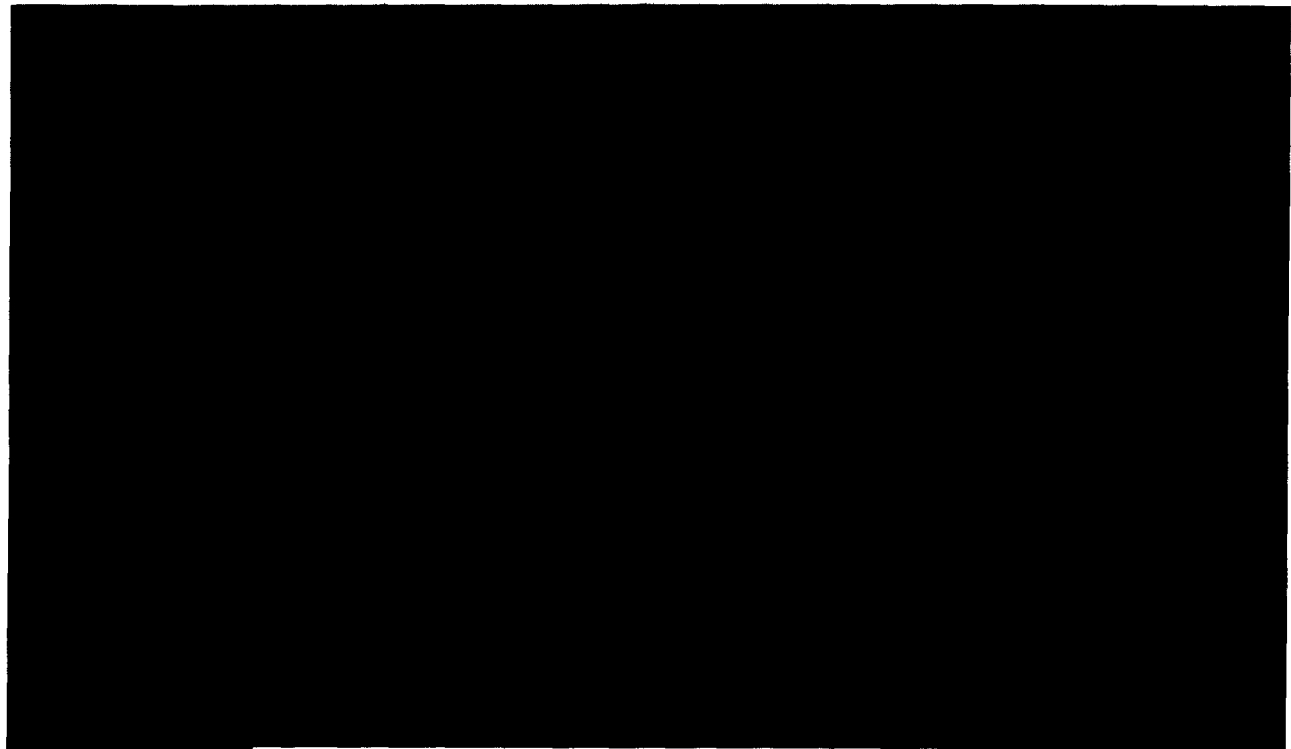


- PCS/N00 codes (500)
- 900 NXX Codes
- N11 Service Codes
- 800 855-XXXX line numbers
- 555-XXXX line numbers
- Carrier Identification Codes (CICs)
- Vertical Service Codes (VSCs)
- ANI II Digits (Automatic Number Identification Information Integers)
- Non-Dialable Toll Points (NPAs 886 and 889)
- New numbering resources, as may be defined.

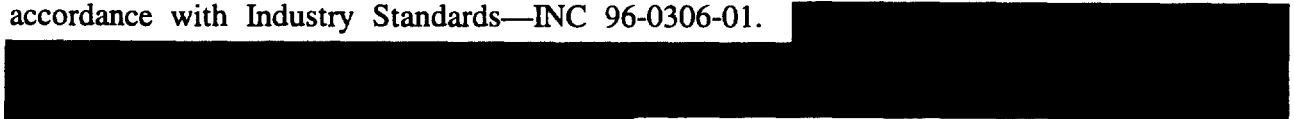
#### **4.2.1 Numbering Plan Administration (NPA) Codes**

Lockheed Martin is well versed in NPA administration.





As the new NANPA, we will assign and administer NPA codes in complete accordance with Industry Standards—INC 96-0306-01.



Aside from adding new NPAs, which average about two per month, our NPA code administrators will:

- Answer incoming inquiries
- Support NPA relief planning
- Prepare the annual COCUS report
- Provide the annual report on the status of NPAs including maps

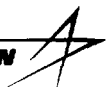
- Prepare NPA Area Code Relief Status Report
- Write planning letters to announce the assignment of new NPA codes
- Ensure that the NANPA Web Site is updated weekly
- Provide reports to INC.

**Requirement: Make available and publish on the web site the status of area code relief proceedings, updated weekly to include new information as it becomes available from CO Code Administrators.**

We will publish this report on the NANPA web site. This report will include the old and new NPA, the type of relief, a brief description of the relief plan, the NPA relief date, the beginning of permissive dialing, mandatory dialing, test number and trouble reporting number.

**Requirement: Publish on the Web detailed information on CO Codes transferring to the new NPA, in the case of a geographic NPA split, and dialing procedures.**

In addition, we will also publish detailed information on CO codes transferring to a new NPA, in the case of a geographic NPA split, and dialing procedures on the NANPA web site.



**Requirement:** Ensure that NPA relief plans conform with regulatory (e.g., U.S. FCC, Industry Canada, Canadian Radio-television and Telecommunications Commission, U.S. State Commissions) and industry (e.g., INC, CSCN) directives.

Finally, we will ensure that NPA relief plans conform with regulatory—FCC, Industry Canada, CRTC, U.S. State Commissions—and industry (INC, CSCN) directives.

#### **4.2.2 NPA 809 Central Office Codes**

Lockheed Martin recognizes the importance of administering central office codes for the 809 NPA, which encompasses some of the Caribbean countries and U.S. territories, in a timely, neutral, evenhanded fashion, as well as the criticality of transitioning the functions of CO code administration to certain sovereign nations in the Caribbean that have been assigned NPA codes and wish to assume CO code administration responsibility.

We understand the complexity and importance of transitioning CO code administration responsibilities for the 809 NPA, currently administered by Bellcore, to a neutral third party, especially in light of the recent assignments of NPA codes to certain sovereign nations of the Caribbean and the transfer of CO code administration functions that will be assumed by the authorities in these countries over time. As the leading neutral third-party database administrator for the telecommunications industry, we know that our role is to faithfully carry out policy and to

